



PATENT  
Attorney Docket 44921-5055-02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: **Patricia Murphy et al.**

Application No. **09/734,672**

Filed: **December 13, 2000**

For: **Coding Sequences of the Human BRCA1 Gene**

Group Art Unit: 1636

Examiner: **Sumesh Kaushal**

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**RESPONSE TO RESTRICTION REQUIREMENT AND AMENDMENT UNDER 37 C.F.R. 1.115**

In response to the Restriction Requirement dated September 6, 2002 (Paper No. 11), the period for reply being extended one month to November 6, 2002 by the accompanying petition and fee, and prior to examination on the merits, please amend this application as follows:

**In the Claims:**

**Please cancel claim 7 without prejudice or disclaimer.**

**Please add claims 28-48 as follows:**

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Zeta  
Nov 12, 02

C 28. An isolated nucleic acid molecule that encodes a BRCA1 protein which contains a thymidine for cytidine substitution at a position corresponding nucleotide 2201 of SEQ ID NO: 1 and fragments thereof containing the substitution.

29. The isolated nucleic acid molecule of claim 28, wherein the nucleic acid comprises the nucleotide sequence of SEQ ID NO: 1 or 3.

30. The isolated nucleic acid molecule of claim 28, wherein the nucleic acid molecule consists of the nucleotide sequence of SEQ ID NO: 1 or 3.

31. The isolated nucleic acid molecule of claim 30, wherein the nucleic acid molecule comprises nucleotides 120 to 5,708 of SEQ ID NO: 1 or 3.

32. The isolated nucleic acid molecule of claim 31, wherein the nucleic acid molecule consists of nucleotides 120 to 5,708 of SEQ ID NO: 1 or 3.

33. The isolated nucleic acid molecule of claim 28, wherein the nucleic acid molecule encodes a

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02 FC:2203 140.00 CH